



\*\*FILE\*\*ID\*\*WORDWRAP

K 1

WW WW 000000 RRRRRRRR DDDDDDDD WW WW RRRRRRRR AAAAAAA PPPPPPPP  
WW WW 000000 RRRRRRRR DDDDDDDD WW WW RRRRRRRR AAAAAAA PPPPPPPP  
WW WW 00 00 RR RR DD DD WW WW RR RR AA AA PP PP  
WW WW 00 00 RR RR DD DD WW WW RR RR AA AA PP PP  
WW WW 00 00 RR RR DD DD WW WW RR RR AA AA PP PP  
WW WW 00 00 RR RR DD DD WW WW RR RR AA AA PP PP  
WW WW 00 00 RRRRRRRR DD DD WW WW RRRRRRRR AA AA PPPPPP  
WW WW 00 00 RRRRRRRR DD DD WW WW RRRRRRRR AA AA PPPPPP  
WW WW 00 00 RR RR DD DD WW WW RR RR AAAAAAAA PP  
WW WW 00 00 RR RR DD DD WW WW RR RR AAAAAAAA PP  
WWWWWWWWWW 00 00 RR RR DD DD WWWW WWWW RR RR RR AA AA PP  
WWWWWWWWWW 00 00 RR RR DD DD WWWW WWWW RR RR RR AA AA PP  
WW WW 000000 RR RR DDDDDDDD WW WW RR RR RR AA AA AA PP  
WW WW 000000 RR RR DDDDDDDD WW WW RR RR RR AA AA AA PP

LL IIIIII SSSSSSS  
LL IIIIII SSSSSSS  
LL SS SSSSSSS  
LLLLLLLLLL IIIIII SSSSSSS  
LLLLLLLLLL IIIIII SSSSSSS

EDT  
V04

: R

: :

```
0001 0 %TITLE 'EDT$WORDWRAP - do word wrapping'  
0002 0 MODULE EDT$WORDWRAP ( ! Do word wrapping  
0003 0 IDENT = 'V04-000' ! File: WORDWRAP.BLI Edit: SMB1004  
0004 0 ) =  
0005 1 BEGIN  
0006 1 !  
0007 1 !*****  
0008 1 !*  
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0026 1 !*  
0027 1 !*  
0028 1 !*****  
0029 1 !  
0030 1 !  
0031 1 !++  
0032 1 ! FACILITY: EDT -- The DEC Standard Editor  
0033 1 !  
0034 1 ! ABSTRACT:  
0035 1 !  
0036 1 ! This module tries to do word wrapping after an insert.  
0037 1 !  
0038 1 ! ENVIRONMENT: Runs at any access mode - AST reentrant  
0039 1 !  
0040 1 ! AUTHOR: John Sauter, CREATION DATE: April 7, 1982  
0041 1 !  
0042 1 ! MODIFIED BY:  
0043 1 !  
0044 1 ! 1-001 - Original. JBS 07-Apr-1982  
0045 1 ! 1-002 - New screen update logic. JBS 13-Sep-1982  
0046 1 ! 1-003 - Add a parameter to split line routine. SMB 16-Nov-1982  
0047 1 ! 1-004 - Change the parameter to the split line routine. SMB 17-Nov-1982  
0048 1 !--  
0049 1 !
```

```
51 0050 1 %SBTTL 'Declarations'  
52 0051 1 !  
53 0052 1 ! TABLE OF CONTENTS:  
54 0053 1 !  
55 0054 1 !  
56 0055 1 REQUIRE 'EDTSRC:TRAROUNAM';  
57 0494 1  
58 0495 1 FORWARD ROUTINE  
59 0496 1 EDTSWORD_WRAP;  
60 0497 1  
61 0498 1 !  
62 0499 1 ! INCLUDE FILES:  
63 0500 1 !  
64 0501 1 !  
65 0502 1 REQUIRE 'EDTSRC:EDTREQ';  
66 0637 1  
67 0638 1 !  
68 0639 1 ! MACROS:  
69 0640 1 !  
70 0641 1 ! NONE  
71 0642 1 !  
72 0643 1 ! EQUATED SYMBOLS:  
73 0644 1 !  
74 0645 1 ! NONE  
75 0646 1 !  
76 0647 1 ! OWN STORAGE:  
77 0648 1 !  
78 0649 1 ! NONE  
79 0650 1 !  
80 0651 1 ! EXTERNAL REFERENCES:  
81 0652 1 !  
82 0653 1 ! In the routine
```

```
84 0654 1 XSBTTL 'EDT$WORD_WRAP - do word wrapping'  
85 0655 1  
86 0656 1 GLOBAL ROUTINE EDT$WORD_WRAP  
87 0657 1 = ! Do word wrapping  
88 0658 1  
89 0659 1 ++  
90 0660 1 | FUNCTIONAL DESCRIPTION:  
91 0661 1 |  
92 0662 1 | This routine is called after text has been inserted to do word wrapping  
93 0663 1 | if any is called for.  
94 0664 1 |  
95 0665 1 | FORMAL PARAMETERS:  
96 0666 1 |  
97 0667 1 | NONE  
98 0668 1 |  
99 0669 1 | IMPLICIT INPUTS:  
100 0670 1 |  
101 0671 1 | EDT$ST_LN_BUF  
102 0672 1 | EDT$SA_LN_PTR  
103 0673 1 | EDT$SA_LN_END  
104 0674 1 | EDT$SG_WD_WRAP  
105 0675 1 |  
106 0676 1 | IMPLICIT OUTPUTS:  
107 0677 1 |  
108 0678 1 | NONE  
109 0679 1 |  
110 0680 1 | ROUTINE VALUE:  
111 0681 1 |  
112 0682 1 | Always 1.  
113 0683 1 |  
114 0684 1 | SIDE EFFECTS:  
115 0685 1 |  
116 0686 1 | NONE  
117 0687 1 |  
118 0688 1 |--  
119 0689 1 |  
120 0690 2 | BEGIN  
121 0691 2 |  
122 0692 2 | EXTERNAL ROUTINE  
123 0693 2 | EDT$SFM$ CHWID,  
124 0694 2 | EDT$SCS_CFT,  
125 0695 2 | EDT$SCS_RIGHT,  
126 0696 2 | EDT$SFND_BWD,  
127 0697 2 | EDT$SPLT_LNINS;  
128 0698 2 |  
129 0699 2 | EXTERNAL  
130 0700 2 | EDT$ST_LN_BUF,  
131 0701 2 | EDT$SA_LN_PTR,  
132 0702 2 | EDT$SA_LN_END,  
133 0703 2 | EDT$SG_WD_WRAP;  
134 0704 2 |  
135 0705 2 | LOCAL  
136 0706 2 | CP,  
137 0707 2 | SAVE_POINT,  
138 0708 2 | DIFF,  
139 0709 2 | COL;  
140 0710 2 |
```

| Current line buffer.  
| Current character pointer.  
| End of current line pointer.  
| Word wrap point.

```

141 0711 2 1+
142 0712 2 1- Do nothing if there is no word wrapping.
143 0713 2 1-
144 0714 2 1+
145 0715 2 1- IF (.EDT$SG_WD_WRAP NEQ 256)
146 0716 2 1- THEN
147 0717 2 1- BEGIN
148 0718 2 1+ Compute the current cursor position.
149 0719 2 1-
150 0720 2 1+
151 0721 2 1- COL = 0;
152 0722 2 1- CP = CH$PTR (EDT$ST_LN_BUF);
153 0723 2 1-
154 0724 2 1- WHILE CH$PTR_NEQ (.CP, .EDT$SA_LN_PTR) DO
155 0725 2 1- COL = .COL + EDT$SFMT_CHWID (CH$RCHAR_A (CP), .COL);
156 0726 2 1-
157 0727 2 1+ If the current column is beyond the wrap point, wrap the line.
158 0728 2 1-
159 0729 2 1-
160 0730 3 1+
161 0731 4 1- IF (.COL GTR .EDT$SG_WD_WRAP)
162 0732 3 1- THEN
163 0733 4 1- BEGIN
164 0734 4 1- SAVE_POINT = .EDT$SA_LN_PTR;
165 0735 4 1- EDT$SCS_LEFT ();
166 0736 4 1-
167 0737 4 1- IF (CH$RCHAR (.EDT$SA_LN_PTR) EQL %C' ') THEN EDT$SCS_RIGHT () ELSE EDT$SFND_BWD (1);
168 0738 4 1-
169 0739 4 1- DIFF = CH$DIFF (.SAVE_POINT, .EDT$SA_LN_PTR);
170 0740 4 1-
171 0741 4 1- IF CH$PTR_NEQ (.EDT$SA_LN_PTR, CH$PTR (EDT$ST_LN_BUF)) THEN EDT$SPLT_LNINS (1); ! Use optimi
172 0742 4 1-
173 0743 4 1- EDT$SA_LN_PTR = CH$PLUS (.EDT$SA_LN_PTR, .DIFF);
174 0744 3 1- END;
175 0745 3 1-
176 0746 2 1- END;
177 0747 2 1-
178 0748 2 1- RETURN (1);
179 0749 1 1- END; ! of routine EDT$WORD_WRAP

```

```
.TITLE EDT$WORDWRAP EDT$WORDWRAP - do word wrapping
.IDENT \V04-000\
```

```
.EXTRN EDT$SFMT_CHWID, EDT$SCS_LEFT
.EXTRN EDT$SCS_RIGHT, EDT$SFND_BWD
.EXTRN EDT$SPLT_LNINS
.EXTRN EDT$ST_LN_BUF, EDT$SA_LN_PTR
.EXTRN EDT$SA_LN_END, EDT$SG_WD_WRAP
```

```
.PSECT _EDT$CODE.NOWRT, SHR, PIC.2
```

```
.ENTRY EDT$WORD_WRAP, Save R2,R3,R4,R5,R6 : 0656
```

```
MOVAB EDT$SG_WD_WRAP, R6
```

```
MOVAB EDT$ST_LN_BUF, R5
```

```
MOVAB EDT$SA_LN_PTR, R4
```

```
CMPL EDT$SG_WD_WRAP, #256 : 0715
```

56 00000000G	00 007C 00000
55 00000000G	00 9E 00002
54 00000000G	00 9E 00009
00000100	8F 66 D1 00017

EDT\$WORDWRAP  
V04-000

EDT\$WORDWRAP - do word wrapping  
EDT\$WORD\_WRAP - do word wrapping

C 2  
16-Sep-1984 02:17:18  
14-Sep-1984 12:25:49  
VAX-11 Bliss-32 v4.0-742  
DISK\$VMSMASTER:[EDT.SRC]WORDWRAP.BLI;1 Page 5 (3)

EDT\$  
V04-

		5E	13 0001E	BEQL	6S		0721
		53	D4 00020	CLRL	COL		0722
	52	65	9E 00022	MOVAB	EDT\$ST_LN_BUF, CP		0724
	64	52	D1 00025	1\$: CMPL	CP, EDT\$SA_LN_PTR		0725
		11	13 00028	BEQL	2\$		0726
		53	DD 0002A	PUSHL	COL		0727
	00000000G	7E	82 9A 0002C	MOVZBL	((CP)+, -(SP))		0728
	00	02	FB 0002F	CALLS	#2, EDT\$\$FMT_CHWID		0729
	53	50	CO 00036	ADDL2	R0, COL		0730
		EA	11 00039	BRB	1\$		0731
		66	53 D1 0003B	2\$: CMPL	COL, EDT\$\$G_WD_WRAP		0732
		3E	15 0003E	BLEQ	6S		0733
	00000000G	52	64 D0 00040	MOVL	EDT\$SA_LN_PTR, SAVE_POINT		0734
	00	00	00 FB 00043	CALLS	#0, EDT\$\$CS_LEFT		0735
		50	64 D0 0004A	MOVL	EDT\$SA_LN_PTR, R0		0737
		20	60 91 0004D	CMPB	(R0), #32-		
	00000000G	00	09 12 00050	BNEQ	3\$		
		00	FB 00052	CALLS	#0, EDT\$\$CS_RIGHT		
		09	11 00059	BRB	4\$		
	00000000G	00	01 DD 0005B	3\$: PUSHL	#1		
		01	FB 0005D	CALLS	#1, EDT\$\$FND_BWD		
		51	64 D0 00064	MOVL	EDT\$SA_LN_PTR, R1		0739
		52	51 C2 00067	SUBL2	R1, DIFF		
		50	65 9E 0006A	MOVAB	EDT\$ST_LN_BUF, R0		0741
		50	51 D1 0006D	CMPL	R1, R0		
			09 13 00070	BEQL	5\$		
	00000000G	00	01 DD 00072	PUSHL	#1		
		64	01 FB 00074	CALLS	#1, EDT\$\$SPLT_LNINS		0743
		50	52 CO 0007B	5\$: ADDL2	DIFF, EDT\$SA_LN_PTR		0748
		01	D0 0007E	6\$: MOVL	#1, R0		0749
			04 00081	RET			

: Routine Size: 130 bytes. Routine Base: \_EDT\$CODE + 0000

: 180 0750 1  
: 181 0751 1 !<BLF/PAGE>

EDT\$WORDWRAP  
V04-000      EDT\$WORDWRAP - do word wrapping  
                EDT\$WORD\_WRAP - do word wrapping  
183      0752 1 END  
184      0753 1  
185      0754 0 ELUDOM

D 2  
16-Sep-1984 02:17:18      VAX-11 Bliss-32 V4.0-742  
14-Sep-1984 12:25:49      DISK\$VMSMASTER:[EDT.SRC]WORDWRAP.BLI:1 Page 6 (4)  
! of module EDT\$WORDWRAP

#### PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	130	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

#### Library Statistics

File	-----	Symbols	-----	Pages	Processing
	Total	Loaded	Percent	Mapped	Time
\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	1	0	40	00:00.2
\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

#### COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:\$WORDWRAP/OBJ=OBJ\$:\$WORDWRAP MSRC\$:\$WORDWRAP.BLI/UPDATE=(ENH\$:\$WORDWRAP)

Size: 130 code + 0 data bytes  
Run Time: 00:11.6  
Elapsed Time: 00:14.9  
Lines/CPU Min: 3910  
Lexemes/CPU-Min: 10983  
Memory Used: 74 pages  
Compilation Complete

0142 AH-BT13A-SE  
VAX/VMS V4.0

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